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IN THE CLAIMS

What is claimed is:

1	1.	A system for maintaining security and gathering data for a plurality of vehicles		
2	comprising:			
3		a vehicle activity module for each of said vehicles, said vehicle activity module including		
4	a wireless transmitter, sensors and a key container;			
5		a central computer having a database for data storage, said central computer being in		
6	wireless communication with each of said vehicle activity modules;			
7		key ID tags, which are attached to vehicle keys; and		
8		personal ID cards which are issued to sales, maintenance and service personnel;		
9	wherein:			
10		information read from personal ID cards by said sensors is transmitted to said central		
11	computer for authorization of access and recording of access activity; and			
12		information read from key ID tags attached to keys by said sensors is transmitted to said		
13	central computer for storage and analysis.			
1	2.	The system of claim 1, wherein:		
2		said vehicle activity modules operate in sleep mode until awakened by an event to report		
3	activity.			
1	3.	The system of claim 2, wherein:		
2		said event is chosen from a group of events consisting of sales events, non-sales events		
3	and in	and intrusion events.		
1	4.	The system of claim 1, wherein:		
2		said vehicle activity modules operates in sleep mode until awakened at periodic		
3	progra	mmed intervals to report on status.		

- 1 5. The system of claim 2, wherein:
- 2 said key ID tag information includes the presence or absence of said key ID tags and
- 3 therefore of said keys in said vehicle activity modules.

6. 1 The system of claim 4, wherein: 2 said status which is reported includes a health check. 1 7. The system of claim 1, further comprising: rechargeable battery pack, which provides energy to said vehicle activity modules. 2 8. The system of claim 7, wherein: 1 2 solar chargers which recharge said rechargeable battery pack. 9. 1 The system of claim 1, further comprising: 2 an intrusion sensor. 1 10. The system of claim 1, wherein: 2 said sensors include an ID reader. The system of claim 10, wherein: 1 11. 2 said ID reader is an RFID reader. 12. 1 The system of claim 10, wherein: 2 said ID reader is key tag/ID reader. 1 13. The system of claim 1, wherein: 2 said information from said ID cards and key ID tags is used to generate alerts and theft 3 alarms. 1 14. The system of claim 1, wherein: 2 said information are from said ID cards and key ID tags is used to generate reports for 3 inventory and administrative planning. 1 15. The system of claim 1, wherein: 2 said information are from said ID cards and key ID tags is used to request access to

- 3 vehicles.
- 1 16. A vehicle activity module for maintaining security and data gathering for a plurality of
- 2 vehicles, to be used in cooperation with a central computer, personal ID cards, and key ID tags
- 3 attached to vehicle keys, the vehicle activity module comprising:
- a housing having a releasable key compartment, said housing being securely mounted to
- 5 some portion of each said plurality of vehicles;
- at least one ID reader by which ID information can be scanned from said personal ID
- 7 cards and key ID tags; and
- 8 a wireless transmitter by which said personal ID card information and key ID tag
- 9 information can be transmitted to a central computer for storage and analysis.
- 1 17. The vehicle activity module of claim 16, wherein;
- 2 said key ID tag information includes the presence or absence of said key ID tags and
- 3 therefore of said keys within said vehicle activity module.
- 1 18. The vehicle activity module of claim 16, wherein;
- 2 said vehicle activity modules operates in sleep mode until awakened by an event to report
- 3 activity.
- 1 19. The vehicle activity module of claim 16, wherein;
- 2 said vehicle activity modules operates in sleep mode until awakened at periodic
- 3 programmed intervals to report on status.
- 1 20. The vehicle activity module of claim 16, wherein;
- 2 said status which is reported includes a health check.
- 1 21. The vehicle activity module of claim 16, further comprising:
- 2 rechargeable battery packs, which serve to power said vehicle activity modules.

I	22.	The vehicle activity module of claim 21, further comprising;	
2		solar chargers which recharge said rechargeable battery packs.	
1 2	23.	The vehicle activity module of claim 16, further comprising; an intrusion alarm.	
1 2	24.	The vehicle activity module of claim 16, wherein; said ID reader is a magnetic strip reader.	
1 2	25.	The vehicle activity module of claim 16, wherein; said ID reader is an RFID reader.	
1 2	26.	The vehicle activity module of claim 16, wherein: said ID reader is key tag/ID reader.	
1	27.	A method for maintaining security for a plurality of vehicles, to be used in cooperation	
2	with a central computer, personal ID cards, and key ID tags attached to vehicle keys, the method		
3	comprising:		
4		A) attaching a vehicle activity module to each of said vehicles, said vehicle activity	
5	module including a wireless transmitter, sensors and a key container;		
6	B) providing a central computer having a database for data storage, said central compute		
7	being in wireless communication with each of said vehicle activity modules;		
8		C) providing that said vehicle activity module remains in sleep mode until awakened; and	
9		D) transmitting a wireless signal from said vehicle activity modules to said central	
10	comp	uter when awakened.	
1	28.	The method for maintaining security of claim 27, wherein:	
2		said vehicle activity module of C) operates in sleep mode until awakened by an event to	
3	repor	t activity.	

- 1 29. The method for maintaining security of claim 28, wherein:
- 2 said event is chosen from a group of events consisting of sales events, non-sales events
- 3 and intrusion events.
- 1 30. The method for maintaining security of claim 27, wherein:
- 2 said vehicle activity module of C) operates in sleep mode until awakened at periodic
- 3 programmed intervals to report on status information.
- 1 31. The method for maintaining security of claim 30, wherein:
- 2 said status information which is reported includes a health check..
- 1 32. The method for maintaining security of claim 27, wherein:
- 2 said sensors include a key ID tag sensor, which reads key ID tag information concerning
- 3 said keys upon opening or closing said key container.
- 1 33. The method for maintaining security of claim 27, wherein:
- 2 said sensors include an RFID reader.
- 1 34. The method for maintaining security of claim 27, wherein:
- 2 said sensors include a key tag/ID reader.
- 1 35. The method for maintaining security of claim 27, wherein:
- 2 said transmission of D) activates one or more alarms by the central computer upon
- 3 receiving said transmission from said vehicle activity module.
- 1 36. The method for maintaining security of claim 35, wherein:
- 2 said one or more alarms include audio alarms on the grounds, audio alarms on the
- 3 vehicle, notification to local police or security forces, visual disturbance warning, alerts by
- 4 internet and cell phone message to personnel.

- 1 37. The method for maintaining security of claim 29, wherein:
- 2 said transmission indicates a sales event, and demo drive time is automatically recorded
- 3 in said central computer, and if a determination is made that the drive time exceeds a permitted
- 4 limit, one or more alarms are sounded.
- 1 38. The method for maintaining security of claim 37, wherein:
- 2 said determination of exceeded time limit is determined by sensing the length of time that
- 3 said key is absent from said key container.
- 1 39. The method for maintaining security of claim 29, wherein:
- 2 said transmission indicates a non-sales event, and a determination of exceeded time limit
- 3 is determined by sensing the length of time that said key is absent from said key container, and if
- 4 said time limit is exceeded, one or more alarms may be sounded.
- 1 40. The method for maintaining security of claim 29, wherein:
- 2 said transmission indicates an intrusion event.
- 1 41. The method for maintaining security of claim 40, wherein:
- 2 said key tag is checked whether it is the correct key when the key container is opened.
- 1 42. The method for maintaining security of claim 41, wherein:
- 2 if the key is correct and the event takes places during normal operating hours, the time
- 3 that the key is missing from the key container is recorded and determined if returned within the
- 4 maximum demo drive time limit, and if it is not, one or more alarms are activated.
- 1 43. The method for maintaining security of claim 41, wherein:
- 2 if the key is not correct, one or more alarms are activated.
- 1 44. The method for maintaining security of claim 41, wherein:
- 2 if the key is correct and the event does not takes places during normal operating hours,
- 3 the time that the key is missing from the key container and the person ID who last accessed is

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- recorded and transmitted on an accelerated basis, and if not returned within an accelerated time 4 5 limit, one or more alarms are activated. 45. 1 The method for maintaining security of claim 27, wherein: 2 said activity sensors include an intruder sensor, which if activated, cause one or more 3 alarms to be activated. 1 46. The method for maintaining security of claim 27, wherein: 2 said transmission of D) is a regularly timed signal, which if not received by said central 3 computer, cause one or more alarms to be activated. 1 47. The method for maintaining security of claim 27, wherein: 2 said transmission of D) is a signal requesting access which is received by said central 3 computer and which returns an authorization signal which unlocks said key container. 1 48. A method for collecting and analyzing data and on vehicle access for a plurality of 2 vehicles, to be used in cooperation with a central computer, personal ID cards, and key ID tags 3 attached to vehicle keys, and vehicle data, the method comprising: 4 A) attaching a vehicle activity module to each of said vehicles, said vehicle activity 5 module including a wireless transmitter, activity sensors and a key container; 6 B) providing a central computer having a database for data storage, said central computer 7 being in wireless communication with each of said vehicle activity modules; 8 C) providing that said vehicle activity module remains in sleep mode until awakened; and 9 D) transmitting a wireless signal from said vehicle activity modules to said central 10 computer at the time of awakening.
 - 49. The method for collecting and analyzing data of claim 48, wherein:

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2 said vehicle activity module of C) operates in sleep mode until awakened by an event to 3 report activity.

- 1 50. The method for collecting and analyzing data of claim 49, wherein:
- 2 said event is chosen from a group of events consisting of sales events, non-sales events
- 3 and intrusion events.
- 1 51. The method for collecting and analyzing data of claim 48, wherein:
- 2 said vehicle activity module of C) operates in sleep mode until awakened at periodic
- 3 programmed intervals to report on status information.
- 1 52. The method for collecting and analyzing data of claim 48, wherein:
- 2 said activity sensors include a key ID tag sensor, which reads key ID tag information
- 3 concerning said keys upon opening or closing said key container.
- 1 53. The method for collecting and analyzing data of claim 48, wherein:
- 2 said transmission indicates a sales event, and sales event data including personal ID data
- 3 and key tag ID data are recorded in said central computer, along with vehicle data, which can be
- organized into reports for sales and inventory status and planning, sales personnel periodic
- 5 reports and management projections.
- 1 54. The method for collecting and analyzing data of claim 48, wherein:
- 2 said transmission indicates a non-sales event, and non-sales event data including personal
- 3 ID data and key tag ID data are recorded in said central computer, along with vehicle data, which
- 4 can be organized into reports for personnel periodic reports, inventory planning and management
- 5 analysis.
- 1 55. The method for collecting and analyzing data of claim 48, wherein:
- 2 said transmission indicates an intrusion event, and event data are recorded in said central
- 3 computer, along with vehicle data, which can be organized into reports for security planning and
- 4 police reports.